

Title (en)

Sheet folding apparatus, image forming system and sheet folding method

Title (de)

Blattfaltvorrichtung, Bilderzeugungssystem und Blattfaltverfahren

Title (fr)

Appareil pour plier des feuilles, système de formation d'images et procédé pour plier des feuilles

Publication

EP 2394941 A1 20111214 (EN)

Application

EP 11169158 A 20110608

Priority

JP 2010132338 A 20100609

Abstract (en)

A sheet folding apparatus (1) folds a sheet in parallel a plurality of times. The sheet folding apparatus includes a transport roller pair (3) that transports the sheet; first and second folding roller pairs (6, 7) that are provided with a predetermined gap therebetween and alternately fold the sheet transported from the transport roller pair (3); and first and second sheet detecting units (8, 9) that are provided outside the first and second folding roller pairs (6, 7) so as to face the first and second folding roller pairs (6, 7), respectively. Second and subsequent folding positions of the sheet are set based on an amount of transport of the sheet that is determined on the basis of an end of the sheet (F0) or a first folding end (F1).

IPC 8 full level

B65H 45/20 (2006.01)

CPC (source: EP)

B65H 45/20 (2013.01); **B65H 2511/11** (2013.01); **B65H 2513/50** (2013.01); **B65H 2513/52** (2013.01)

Citation (applicant)

- JP 2010132338 A 20100617 - TOSHIBA CORP, et al
- JP 3911091 B2 20070509

Citation (search report)

- [X1] US 2008174061 A1 20080724 - KURITA WATARU [JP]
- [X1] US 2006205580 A1 20060914 - SEKINE NORIAKI [JP], et al

Cited by

US2013244848A1; US9108820B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2394941 A1 20111214; JP 2011256018 A 20111222; JP 5577867 B2 20140827

DOCDB simple family (application)

EP 11169158 A 20110608; JP 2010132338 A 20100609